255.255.255.0 The Internet service connected to the router's WAN port uses a dynamic IP address

The default LAN IP address for the router is

192.168.123.254 with a subnet mask of

Note: To configure the router, you will need to use the information you collected when

4. Follow the on-screen instructions. protocol (DHCP) and assigns IP addresses

1. Start your browser and type

field. Press Enter.

button.

Wizard link.

- 6. When you are finished, click Save. You will be prompted to restart your router for changes to take effect. Click the Restart Router button and follow the prompts. Your router will be restarted and you will
- have to log in again.
- 5. Fill in the network settings using the information gathered during Computer Configuration.

http://192.168.123.254 in the location

password ("admin") and click the Log in

3. From the top navigation bar, click on the

2. Log in to the router using the default

- 7. Restart all the computers on your network.

Thank you for purchasing an Asanté FriendlyNET FR1100 Series router. This router will allow you to share your high-speed Internet connection with other computers on your network. To ensure smooth operation, you will need to configure the router to match your current Internet Service Provider (ISP).

System Requirements

Before you begin, please verify that you have the following items:

- Valid Internet connection with user name and password.
- · Broadband (cable or DSL) modem with a 10BaseT port (PCI-based modems are not

If you have the FriendlyNET FR1104-G







sdats bised Setting up your router requires three Asanté Makes Networking Simple

- provided for your operating system. specific computer following the instructions 2. Determine the TCP/IP settings for your 1. Install your hardware.
- or service plans. settings if you ever change routers, computers future reference. You will need to have these Tip: Record your information and save it for

3. Configure your router.

FR1104-G Cable/DSL 802.11g

Wireless Firewall Router with

egrated 4-Port 10/100 Switch











Ianeg neak D-401187



for your computer's operating system.

Determining Network Settings

and network devices.

Follow the Computer Configuration steps

turn on your computers and modem.

to any LAN port on the router. FR1 100

uplink a 10/100 Fast Ethernet switch

four computers to the router, you can

-otuA figger states routers support Auto-

computers to the router.

Hardware Installation

3. Connect the power cord to the router then

Series routers support up to 253 compters

(preferred) or hub using an Ethernet cable

Uplink[™]. If you need to connect more than

or DSL modem to the router's WAN port. 2. Connect an Ethernet cable from your cable

Repeat the process to connect other ports (numbered 1-4) on the router. Computer's Ethernet port to one of the LAN

1. Connect an Ethernet cable from your

to connect the router to your network:

Turn off the power to your computers,

modem and router, then follow these steps

configured by the router's DHCP (dynamic computer so that it can be automatically your current network settings and set up your The following steps explain how to determine (X 2O 26M starse reverse for Mac 02 (X 2O 26M slqqA



1. From the Apple menu, open your

host configuration protocol) feature.

Computer Configuration

your Ethernet adapter. In Configure, select

		O Info
ienoitibh : sniemob doweitibh : sniemob doweitibh	206.18,80,1 2.08,18,80,5	Cappe annuas evien
: smen niemob gnibn3	10'0'0'1 522'522'522'0	: ssauppe uagnog

étnesA ent mort szerbbe 91 zimenyb

a DHCP screen before receiving a

(Info

router looks as follows:

Using DHCP Server. 2. In the Connect Via drop-down list, select

...suontdo

Don't Save $\overline{\mathbb{V}}$ upinos trarrus art of equals aved



the settings.





computers you wish to add to the router.

is now complete. Repeat these steps to

The TCP/IP configuration of your computer

configure additional Mac OS 8 or 9





















dynamic IP address from the Asanté

4. The DHCP screen after receiving a

router looks as follows:

ŧ

Router Configuration

these settings:

192.168.123.199

All Operating Systems

The router must be configured to match your Internet service. If you do not know your

Internet connection configuration, please

contact your Internet Service Provider (ISP).

By default, the router is pre-configured with

computers on your LAN (connected to the

router's ports 1-4). The router acts as a

server for dynamic host configuration

in the range 192.168.123.100 through

· Automatically set IP addresses for



determining network settings (Computer Configuration) for your operating system. 8. To verify your Internet connection, try connecting to the www.asante.com website from your web browser.

The basic configuration of your Asanté router is now complete. See the User's Manual for additional information on advanced settings.



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- supported).
- Network connection for each computer a 10/100 Fast Ethernet adapter or built-in 10/100 Fast Ethernet port (RJ-45). AsantéFast 10/100 or FriendlyNET 10/100 PCI recommended.
- Network cable from the router to each computer. Unshielded twisted pair (UTP) Category 5 cable is required.
- Supported operating systems:
- Apple Mac OS (8, 9 and X)
- Microsoft Windows (98, 2000, NT and XP)
- Linux/UNIX
- TCP/IP network protocol must be configured for each computer (refer to computer configuration on reverse). Each client must also be configured to accept an IP address from a DHCP server.
- You will also need a web browser to configure the router. Microsoft Internet Explorer or Netscape Communicator version 4 or later is required.

recommended

Incompatibilities

Cable or DSL modems using USB or Firewire connections, asymmetrical dual media connections, Home PNA or any other non-Ethernet compatible communication devices are not compatible with the FriendlyNET FR1100 Series routers.

wireless router, these items are optional:

• Wireless network connection for each

Wi-Fi) or adapter for each computer.

FriendlyNET AeroLAN adapters

computer. A built-in 802.11b/g (Airport,



Computer Configuration Apple Mac OS X

The following steps explain how to determine your current network settings and set up your computer so that it can be automatically configured by the router's DHCP (dynamic host configuration protocol) feature.

1. Go to **System Preferences** in your Dock.



2. Select **Network** from the System Preference panel.



 Select Show: Active Network Ports and select the Ethernet port that is connected to your Asanté router. Uncheck any unused ports. Click Apply Now.

how y	Active N	etwork Ports	
	Active	Ports	
	Check a All cher list to s	ivailable port configurations in the list cloud configurations are active simultat pecify the order to try them when con-	t below to activate them. neously. Drag ports in the necting to a network.
	On	Port Configurations	
		Built-in Ethernet	
		AirPort	M New
		PCI Ethernet Slot B, Port 2	Qualicata
	Ē	PCI Ethernet Slot C. Port 3	Dupincate
		PCI Ethernet Slot D, Port 4	Delete
	ē	Internal Modem	,
	Turn of	f any port you no longer want to use i	n this location by unchecking it.
	To char	nge the name of a port configuration,	double-click it.
	To crea	te multiple configurations of a port, u	se the New or Duplicate button.
	To dele	te a port configuration, select it and p	iress Delete.

4. Select the connected Ethernet port in **Show**.



Computer Configuration

Microsoft Windows 95/98/Me

The following steps explain how to determine your current TCP/IP settings and configure them to use DHCP.

Note: Keep your Windows CD handy. You may be asked to insert it so that Windows can copy necessary files.

1. From the Windows **Start** button, choose **Run**. In the dialog box, type **winipcfg** and click **OK**.

Kun	¥ ×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	winipcfg
	DK Cancel Browse

2. Choose your computer's Ethernet adapter card from the options available in the drop-down list.

Tip: The PPP setting is usually for your dial-up analog modem. Don't choose this selection.

5. Be sure that the TCP/IP tab is selected. Now select **Configure: Using DHCP**. You will receive the IP address automatically from your DHCP server.

Before receiving the IP address from the router's DHCP server, your screen will look like this:

TCP/IP PPPoE App	leTalk Proxies
Configure: Using DHCP	•
IP Address: (Provided by DHCP Server) Subnet Mask:	Domain Name Servers (Optional)
Router:	Search Domains (Optional)
DHCP Client ID: (Optional)	
thernet Address: 00:30:65:b8:6a:80	Example: apple.com, earthlink.net

After receiving the IP address from the router's DHCP server, your screen will look like this:



The TCP/IP configuration of your computer is now complete. Repeat these steps to configure additional Macs running OS X that you wish to add to the router.

4. From the Windows Start button, choose

Settings and select Control Panel.

5. In the Configuration tab, highlight the

TCP/IP protocol line associated with your

Properties dialog. Click the IP Address tab.

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Double-click the Network icon.

6. Click Properties to open the TCP/IP

Select Obtain an IP address

Obtain an IP address automatically

automatically. Click OK.

TCP/IP Prop

network card adapter.

Computer Configuration Microsoft Windows XP

The following steps explain how to determine your current network settings and set up your computer so that it can be automatically configured by the router's DHCP (dynamic host configuration protocol) feature.

Note: Keep your Windows CD-ROM handy. You may be asked to insert it so that Windows can copy necessary files.

1. From the **Start** button, select





2. Click on Network and Internet Connections.

3. Click the **Network Connections** icon.



4. Double-click on the network.

S Network Connections	
file fidt Herr Parantes Books	Advageed (Hilp
Ome O & Ps	ach 🕞 Poldes 💷 -
Address 🚳 Network Connections	
Network Tasks (8) Greate a new connection Set up a home or small affice network	LAN or High-Speed Informat.
See Also (8)	

5. Under the Support tab, click on the **Details...** button and record your IP settings for future reference.

+ Local Area Connection Stat	us ?×
General Support	
Internet Protocol (TCP/IP)	
Address Type:	Assigned by DHCP
IP Address:	300(300(300(300(
Subnet Mask:	255.255.255.0
Default Gateway:	300(300(300(300)
	Details
Repair	
	<u>C</u> lose

6. Under the **General** tab, click the **Properties** button.

neral Support		
Connection -		
Status:		Connected
Duration:		00:23:37
Speed:		100.0 Mbps
Activity	Sent — 🛃	- Received
Bytes:	151,438	223,431
Properties	<u>D</u> isable	

7. Select the **Internet Protocol (TCP/IP)** and click the **Properties** button.

· ·
🕹 Local Area Connection Properties 🛛 🔹 💽
General Authentication Advanced
Connect using:
National Semiconductor DP83815-Based PCI Fast Ethern
This connection uses the following items:
☑ 🖳 Client for Microsoft Networks ☑ 📮 File and Printer Sharing for Microsoft Networks ☑ 💭 QoS Packet Scheduler
Install Uninstal Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected
OK Cancel

8. Select Obtain an IP address automatically and Obtain DNS server address automatically.

for can get IP retiring: saginged automatically if your network supports the appropriate IP retiring: Outpan and Paddess: Paddess Paddess Paddess Paddess Paddess Paddess Queta net Address automatically Outpan hand Paddess Paddess Paddess Queta net Address automatically Outpan hand Paddess Paddess Paddess Paddess Queta net Address automatically Outpan hand Paddess Paddess Paddess Queta net Address Queta	eneral Alterr	ate Configuration			
ODdar an IP address advanciably Uge the following IP address Sydnet mask: Sydnet mask: Oddarse Oddars	r'ou can get lf his capability. he appropriati	9 settings assigned au Otherwise, you need 9 IP settings.	tomatically if y to ask your ne	our network s twork adminis	upports strator for
O Uge He following IP address: IP address: Sybret mark: Comparison of the following DNS server address: Perfered DNS server: Advanced Advanced	<u> </u>	n IP address automati	cally		
IP address: Sybnet mask: Sybnet mask: Default gateway: Oplain DNS server address: Perfered DNS server: Alternate DNS server: Atternate DNS server: Atternate DNS server: Addressed Addressed	O Uge the I	ollowing IP address:			
Sybret mark:	IP address:				
Default gatewrag:	Subnet mas	k:			
Optian DNS server address automatically Urg the following DNS server addresse: Perfored DNS server: Alemate DNS server: Advanced Advanced	Default gate	sway:			
O Use the following DNS server addresses: Preferred DNS server: Alternate DNS server: Advanced Advanced	③ O <u>b</u> tain D	NS server address au	tomatically		
Preferred DNS server:	OUse the I	ollowing DNS server	addresses: —		
Alternate DNS server:	Preferred D	NS server:			
Advanced	<u>A</u> lternate D	VS server:			
Advanced				_	
	<u>A</u> lternate D	VS server:		Ad	ance

9. Click **OK** and restart your computer.

The TCP/IP configuration of your computer is now complete. Repeat these steps to configure additional PCs running Windows XP on your network.

Computer Configuration Microsoft Windows 2000/NT

The following steps explain how to determine your current TCP/IP settings and configure them to use DHCP.

Note: Keep your Windows CD handy. You may be asked to insert it so that Windows can copy necessary files.

- 1. From the Windows **Start** button, choose **Program > Accessories > Command Prompt**.
- 2. At the command line, type the command **ipconfig/all** and press **Enter**.



3. From the **Start** Button, select **Control Panel/Network and Dial-Up Connections**. Double-click on the **Local** 4. Under the **General** tab, highlight the **Internet Options (TCP/IP)** and click the **Properties** button.

General	riopentes		<u>.</u>
Connect using:			
AsantéFAST 10/	100 PCI Rev B Adap	er	
Components checked a	are used by this conne	Con	nfigure
Client for Micros	soft Networks Sharing for Microsoft bl (TCP/IP)	Networks	
Install	Uninstall	Proper	ties
Transmission Control wide area network p across diverse interc	Protocol/Internet Pro rotocol that provides o onnected networks.	tocol. The del communication	fault 1
Show icon in taskb	ar when connected		

5. Select **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Click **OK** when finished. You may be prompted to restart your computer.

? ×

Internet Protocol (TCP/IP) Properties



3. Expand this dialog box by clicking on the **More Info** >> button.

Tip: Next to the DNS Servers field, click the button to show the Secondary DNS (if available).



7. Click **OK** again. Windows will begin copying files to your computer. Click **Yes** to restart your computer with the new settings.

OK Cancel

The TCP/IP configuration of your computer is now complete. Repeat these steps to configure additional PCs running Windows 95/98/Me on your network.

Area Connection.

Network and Dial-up Connections	Make New Connection)	
Local Area Connection		\sim		

You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings.	automatically if your network supports ed to ask your network administrator for
C Obtain an IP address autor Use the following IP address	natically ss:
IP address:	
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	· · · ·
C Obtain DNS server address	s automatically
Use the following DNS service	ver addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cance

The TCP/IP configuration of your computer is now complete. Repeat these steps to configure additional PCs running Windows 2000/NT on your network.